

Claim Amendments

Please amend the pending claims as follows:

1. Canceled.

2. Canceled.

3. Canceled.

4. Canceled.

5. Canceled.

6. Canceled.

7. Canceled.

8. Canceled.

9. Canceled.

10. Canceled.

11. Canceled.

12. Canceled.

13. Canceled.

14. (previously presented) An adaptive filter, comprising:
a finite impulse response (FIR) filter having
a plurality of FIR coefficients wherein said FIR
coefficients are determined by deriving a FIR filter

having a predetermined number of coefficients,
obtaining convergence of said coefficients, dividing
said coefficients into a first set of coefficients and
a second set of coefficients, and adopting the first
set of coefficients as the FIR coefficients; and
an infinite impulse response (IIR) filter
having a plurality of IIR coefficients wherein said IIR
coefficients have a plurality of poles and a plurality
of zeroes and are derived from said second set of FIR
coefficients.

15. (previously presented) The adaptive filter of claim 14
wherein the zeroes of the IIR coefficients are updated
based upon an error input signal.
16. (previously presented) The adaptive filter of claim 14
wherein the poles of the IIR coefficients are fixed.
17. Canceled.
18. Canceled.